

Special Issue

Integration of Renewable Technologies in Water, Electricity, Heating and Cooling Networks

Message from the Guest Editors

The dramatic increase in the utilization of non-programmable renewable energy technologies determined a number of positive effects, such as energy diversification, reduction of pollutant emissions, development of local green economies. On the other hand, the large non-programmable amount of renewable energy delivered to the grid poses severe issues in terms of the management of excess energy and balance between demand and supply. In this framework, a novel and more intense attention has to be paid to energy planning activities, in order to select the optimal mix between renewable and fossil technologies, meeting the demands of the user, and allowing one to achieve an optimal balance of the networks. Thus, a scientific approach is required in order to design and analyze, from energy, environmental and economic points of view, the integration of renewable technologies in energy and water networks.

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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